Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 09 Sep 2023 until 23:59 on Sunday 10 Sep 2023

Forecast Issued on Saturday 09 Sep 2023 at 04:06

Confidence: High confidence for the current very warm, humid and settled spell gradually breaking down with thundery showers and becoming cooler early next week. Lower confidence for details of cloud and thunderstorms.

Headline for Saturday 09 Sep 2023: Very warm with sunny spells, but risk of thundery downpours.

Mountain weather hazards on Saturday 09 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** No Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny	Sunny	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)
Precipitation probability					
00%	00%	10%	40%	20%	10%

Forecast for Saturday 09 Sep 2023

Weather: Dry and warm start, with patchy mist and low cloud. This soon clearing to leave another very warm day with sunny spells. There is a risk of heavy, thundery showers developing from late morning. Most areas will likely stay dry, but where storms do occur there is the possibility of torrential downpours, lightning and hail.

Chance of cloud-free hill tops above 600m: 70% soon becoming near 100%.

Low cloud and visibility: Some patchy low cloud, base 100-300m, most likely on western slopes at first but this soon lifting and clearing. Thereafter, cloud mostly well above the hilltops, with any thunderstorms from high based cloud. Visibility mostly good, although not excellent with some haziness. Poor in any heavy showers or thunderstorms, and very poor in early patchy low cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Saturday 09 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/7 SW	7/8 W	7/10 W	7/11 W	4/6 W	4/6 N	6/7 NE
300	4/5 SE	3/5 NW	5/8 W	6/9 W	3/7 W	3/5 N	3/5 NE
Valley	3/4 E	2/3 W	4/7 W	6/10 W	3/7 NW	3/6 NE	3/6 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/19	19/19	21/20	21/21	20/20	19/19	19/18
300	20/21	21/22	23/24	24/24	22/24	20/21	20/20
Valley	19/20	22/23	24/25	25/25	23/24	20/21	20/20
Freezing Level*	3500m	3600m	3500m	3400m	3400m	3400m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Another hot and humid day, with moderate UV levels, so sun protection and adequate hydration is recommended. However, there is a risk of torrential downpours so waterproofs are also recommended.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sat 09 Sep 2023	0mm	0mm	0mm

Forecast for Sunday 10 Sep 2023

Weather: Perhaps some patchy low cloud developing in the early hours, soon clearing. Another very warm day with sunny spells but also some heavy, thundery showers arriving through the afternoon with occasional torrential downpours, lightning and hail. Through the evening probably becoming dry with clear spells developing through the evening.

Maximum wind: Southeast 15-20 mph with gusts 25-30 mph in and near heavy showers or thunderstorms.

Chance of cloud-free hill tops above 600m: 90%

Low cloud and visibility: Some patchy low cloud, base 100-300m, is possible first thing but this soon lifting and clearing. Thereafter, cloud mostly well above the hilltops, with any thunderstorms from higher based cloud. Visibility mostly good. Poor in any heavy showers and very poor in early patchy low cloud.

Temperature: **Valleys:** Plus 17 Celsius becoming plus 29 Celsius.
At 600m: Plus 19 Celsius.
Freezing level: Well above the hilltops.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.